

CLAIMS

1. A passenger check-in and monitoring system comprising a memory device associated with an item carried by an airport user or staff member, said device containing all appropriate information relating to the airport
5 user or member of staff, a data storage device containing information relating to all airport users and members of staff and a plurality of transmitter devices operable to allow exchange of information between said memory device and said data storage device.
2. A system according to Claim 1 wherein the memory device
10 comprises an electronic tag.
- 3 A system according to Claim 2 wherein the electronic tag comprises a radio frequency tag.
4. A system according to any one of Claims 1 to 3 wherein the memory device is formed as an integral part of a passenger travel ticket.
- 15 5. A system according to any one of Claims 1 to 3 wherein the memory device is formed as an integral part of a passenger boarding card.
6. A system according to any one of Claims 1 to 3 wherein the memory device is formed as an integral part of a airport staff identity badge.
- 20 7. A system according to any of the Claims 1 to 3 wherein the memory device is formed as an integral part of a personal identity item carried by an airport user or member of staff.
8. A system according to any one of Claims 1 to 7 wherein data is stored in said memory device in digital form.
- 25 9. A system according to any one of Claims 1 to 8 wherein the data storage device comprises a microprocessor based system or computer system upon which data related to all available flights and details of passengers booked to travel on such flights is stored.

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10. A system according to any one of Claims 1 to 9 wherein the data storage device comprises a microprocessor based system or computer system upon which data related to all airport staff, their duties and their authorised access to airport locations is stored.
- 5 11. A system according to any one of Claims 1 to 10 wherein the data storage device comprises a microprocessor based system or computer system upon which data related to all airport locations, zones and facilities is stored.
12. A system according to Claim 3 wherein the transmitter devices
10 comprise radio frequency antennas.
13. A system according to any one of Claims 1 to 12 wherein the data storage device is linked to an input device in the form of a computer terminal with which data stored in the data storage device can be interrogated or amended.
- 15 14. A system according to any one of Claims 1 to 13 wherein the data storage device generates a virtual queue for check-in in accordance with each passenger's priority.
15. A system according to any preceding claim in which said transmitter devices and data storage device comprise a neural network.
- 20 16. A system according to any preceding claim in which an expected behavioural model is stored in the data storage device against which passenger behaviour is monitored.
17. A system according to any preceding claim in which the behavioural model is updated automatically or manually as desired.